

River and station	Flood stage	Above flood stage—dates		Crest	
		From—	To—	Stage	Date (all dates in April except as otherwise specified)
EAST GULF DRAINAGE—continued					
Pascagoula: Merrill, Miss.....	Feet 20	26	29	20.7	27
Chickasawhay:					
Enterprise, Miss.....	21	23	26	26.0	25
Shubuta, Miss.....	27	24	29	29.2	28
Leaf: Hattiesburg, Miss.....	19	24	25	20.3	24
Pearl:					
Edinburg, Miss.....	21	24	28	23.3	26
Jackson, Miss.....	20	11	(1)	29.8	30
Monticello, Miss.....	18	22	28	20.8	23
Columbia, Miss.....	18	23	(1)	22.9	25
West Pearl: Pearl River, La.....	13	11	(1)	16.0	28
GREAT LAKES DRAINAGE					
Saginaw: Saginaw, Mich.....	19	8	11	20.0	9
Tittabawassee:					
Midland, Mich.....	18	6	9	20.0	8
Shields, Mich.....	16	8	9	17.4	8
Pine: Alma, Mich.....	7	4	9	8.0	7
Grand:					
Eaton Rapids, Mich.....	5	3	11	5.1	9
Grand Rapids, Mich.....	11	7	10	11.4	8
MISSISSIPPI DRAINAGE					
Allegheny: Lock 5, Freeport, Pa.....	24	(1)	(1)		
Stony Creek: Johnstown, Pa.....	10	30	(1)	13.0	30
Youghiogheny: Confluence, Pa.....	10	30	30	11.0	30
Tuscarawas: Gnadenhutten, Ohio.....	9	(1)	3	11.4	Mar. 31
Walhonding: Walhonding, Ohio.....	8	22	24	9.6	23
Scioto: Larue, Ohio.....	11	22	22	8.2	22
Tippecanoe: Norway, Ind.....	6	2	2	11.2	22
				6.0	2
White: Decker, Ind.....	18	16	16	6.0	16
White, West Fork:				18.6	28
Elliston, Ind.....	19	23	24	19.5	23
Edwardsport, Ind.....	15	2	4	15.7	3
		23	26	16.9	24
Tennessee:					
Florence, Ala.....	18	24	25	18.1	24
Riverton, Ala.....	33	23	27	37.8	25
Elk: Fayetteville, Tenn.....	14	22	25	20.1	24
Mississippi:					
Louisiana, Mo.....	12	14	15	12.1	15
Hannibal, Mo.....	13	9	16	13.5	14
Illinois:					
Morris, Ill.....	13	9	9	13.0	9
Peru, Ill.....	14	1	28	17.0	10
Henry, Ill.....	10	9	23	11.2	12-14
Havana, Ill.....	14	10	29	15.1	16-18
Beardstown, Ill.....	14	10	(1)	16.0	16-18
Pearl, Ill.....	12	9	27	13.3	18
Meramec:					
Steelville, Mo.....	12	7	7	14.7	7
Pacific, Mo.....	11	6	9	20.0	9
Valley Park, Mo.....	14	6	10	23.0	9
Bourbeuse: Union, Mo.....	12	6	8	16.4	8
St. Francis: St. Francis, Ark.....	17	9	19	21.3	12
		22	(1)	21.2	27
Arkansas:					
Fort Smith, Ark.....	22	23	25	23.4	25
Dardanelle, Ark.....	20	24	27	21.5	25
Morrilton, Ark.....	20	24	27	21.0	26
Yancopin, Ark.....	29	8	(1)	36.5	30
Little Arkansas: Sedgwick, Kans.....	18	5	5	18.0	5
Petit Jean: Danville, Ark.....	20	6	10	25.6	7
		22	25	23.5	23
White: Cotter, Ark.....	21	7	8	22.8	7
		23	25	25.5	24
Calico Rock, Ark.....	18	6	9	28.8	7
		21	26	31.8	22
Batesville, Ark.....	23	6	10	32.6	7
		22	26	33.4	22
Newport, Ark.....	26	8	13	30.3	10
		23	30	32.0	25
Georgetown, Ark.....	22	10	(1)	28.2	28-29
DeValls Bluff, Ark.....	24	12	(1)	27.9	30
Clarendon, Ark.....	30	28	(1)		
Black:					
Poplar Bluff, Mo.....	14	7	9	16.6	8
		22	25	15.8	23
Corning, Ark.....	11	7	(1)	13.5	24-28
Black Rock, Ark.....	14	6	(1)	24.9	22
Cache: Patterson, Ark.....	9	8	17	9.7	13-14
		23	(1)	9.6	27-29
Tallahatchie: Swan Lake, Miss.....	25	(1)	10	29.4	Mar. 25-26
		24	(1)	30.6	May 3-4
Sulphur:					
Ringo Crossing, Tex.....	20	6	9	25.8	6
		22	25	22.4	24
Finley, Tex.....	24	10	15	25.9	11
		29	30	24.0	29-30

¹ Continued at end of month.
² Continued from last month.

³ Below flood stage at 8 a. m. Apr. 1.

River and station	Flood stage	Above flood stage—dates		Crest	
		From—	To—	Stage	Date (all dates in April except as otherwise specified)
MISSISSIPPI DRAINAGE—continued					
Ouachita:	<i>Feet</i>			<i>Feet</i>	
Arkadelphia, Ark.....	12	7	8	17.3	8
		22	24	16.0	23
Camden, Ark.....	30	11	11	30.4	11
		25	28	32.2	27
WEST GULF DRAINAGE					
Trinity: Dallas, Tex.....	25	5	7	32.4	6
PACIFIC DRAINAGE					
Sacramento: Knights Landing, Calif....	18	(²)	1	19.2	Mar. 28-30
Willamette:					
Harrisburg, Oreg.....	7	(²)	(¹)	(¹)	(¹)
Portland, Oreg.....	15	1	4	15.5	3

² Continued from last month.

⁴ Report missing.

MEAN LAKE LEVELS DURING APRIL, 1928

By UNITED STATES LAKE SURVEY

[Detroit, Mich., May 4, 1928]

The following data are reported in the Notice to Mariners of the above date:

Data	Lakes ¹			
	Superior	Michigan and Huron	Erie	Ontario
Mean level during April, 1928:				
Above mean sea level at New York.....	Feet 601.51	Feet 579.52	Feet 571.79	Feet 246.42
Above or below—				
Mean stage of March, 1928.....	+0.09	+0.59	+0.29	+0.45
Mean stage of April, 1927.....	+0.41	+0.72	+0.03	+0.45
Average stage for April, last 10 years.....	+0.46	-0.12	-0.13	+0.54
Highest recorded April stage.....	-0.88	-3.71	-2.39	-2.01
Lowest recorded April stage.....	+1.71	+1.70	+0.98	+1.68
Average departure (since 1860) of the April level from the March level.....	+0.06	+0.24	+0.54	+0.59

¹ Lake St. Clair's level: In April, 1928, 574.18 feet.

EFFECT OF WEATHER ON CROPS AND FARMING OPERATIONS, APRIL, 1928

By J. B. KINCER

General summary.—During the first decade of April, the unusually warm weather advanced fruit trees rapidly in the interior of the country, and at many places they had reached a stage susceptible to frost when a sudden change to cold weather and freezing in many districts occurred. As a result, more or less general damage was done to early fruit over most central trans-Mississippi sections from southern Iowa and Nebraska southward to the northern portions of Arkansas and Oklahoma, and also in northwest and west Texas and New Mexico, the heaviest damage apparently being in the southwestern portion of this area. Elsewhere there was no widespread harm, although some local frosting was reported. The weather was generally favorable in the more eastern States and field operations made good advance, but in the South work was retarded, and cool weather the latter part prevented good growth of vegetation. It was also too cool, cloudy, and wet in the interior valleys, but the Pacific Coast States had favorable weather, although it was generally too cool in the Rocky Mountain districts.